표 287. 치과2 핵심질문3 근거표

핵심질문 3

문헌정보	연구유형	대상자 수	문헌 질 KCIG
N. S. Amintavakoli, S. Reliability of CBCT diagnosing root fractures remains uncertain. Evidence-Based Dentistry 2016; 49: 646-654.	Review	12	2
B. M. Bechara, C. A.Noujeim, M.Faddoul, T.Moore, W. S.Teixeira, F. B.Geha, H. Comparison of cone beam CT scans with enhanced photostimulated phosphor plate images in the detection of root fracture of endodontically treated teeth. Dento-Maxillo-Facial Radio- logy 2013; 42: 20120404.	Comparative Study Evaluation Studies	66	3
B. M. Bechara, C. A.Nasseh, I.Geha, H.Hayek, E.Khawam, G.Raad, M.Noujeim, M. Number of basis images effect on detection of root fractures in endodontically treated teeth using a cone beam computed tomography machine: an in vitro study. Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology 2013;115:676-681.	Comparative Study Evaluation Studies	66	3
E. L. Chang, E.Shah, P.Azarpazhooh, A. Cone-beam Computed Tomography for Detecting Vertical Root Fractures in Endodontically Treated Teeth: A Systematic Review. Journal of Endodontics 2016;42:177-185.	SR	130	1
S. D. F. Corbella, M.Tamse, A.Rosen, E.Tsesis, I.Taschieri, S. Cone beam computed tomography for the diagnosis of vertical root fractures: a systematic review of the literature and meta-analysis. Oral Surg Oral Med Oral Pathol Oral Radiol 2014;118:593-602.	SR	12	1
P. F. V. da Silveira, M. B.Liedke, G. S.da Silveira, H. L.Montagner, F.da Silveira, H. E. Detection of vertical root fractures by conventional radiographic examination and cone beam computed tomography - an in vitro analysis. Dental Traumatology 2013; 29: 41-46.	Comparative Study Evaluation Studies	60	3
S. R. Khedmat, N.Drage, N.Shokouhinejad, N.Nekoofar, M. H. Evaluation of three imaging techniques for the detection of vertical root fractures in the absence and presence of gutta-percha root fillings. International Endodontic Journal 2012;45:1004-1009.	Comparative Study Evaluation Studies	100	3

S. S. Kobayashi-Velasco, F. C.Gialain, I. O.Cavalcanti, M. G. Diagnosis of alveolar and root fractures: an in vitro study comparing CBCT imaging with periapical radiographs. Journal of Applied Oral Science 2017; 25(2) :227-233.	Comparative Study	60	3
L. A. S. Kullman, M. Guidelines for dental radiography immediately after a dento-alveolar trauma, a systematic literature review. Dental Traumatology 2012; 28: 193-199.	SR	59	1
I. M. B. Makeeva, S. F.Novozhilova, N. E.Adzhieva, E. K.Golubeva, G. I.Grachev, V. I.Kasatkina, I. V. Detection of artificially induced vertical root fractures of different widths by cone beam computed tomography in vitro and in vivo. International Endodontic Journal 2016; 49:980-989.	Comparative Study Evaluation Studies	45	3
S. L. H.-N. Melo, F.Correa, L. R.Scarfe, W. C.Farman, A. G. Comparative diagnostic yield of cone beam CT reconstruction using various software programs on the detection of vertical root fractures. Dento-Maxillo-Facial Radiology 2013; 42: 20120459.	Comparative Study Evaluation Studies Research Support, Non-U.S. Gov't	190	3
Y. S. Nakajima, Y.Miyashin, M.Takagi, Y.Tagami, J.Sumi, Y. Noninvasive cross-sectional imaging of incomplete crown fractures (cracks) using swept-source optical coherence tomography. International Endodontic Journal 2012; 45: 933-941.	Comparative Study Research Support, Non-U.S. Gov't	30	4
M. C. N. Nascimento, Y.de Almeida, S. M.Boscolo, F. N.Haiter-Neto, F.Sobrinho, L. C.Silva, E. J. Influence of cone beam CT enhancement filters on diagnosis ability of longitudinal root fractures. Dento-Maxillo-Facial Radiology 2014; 43: 20130374.	Comparative Study	40	3
F. S. F. Neves, D. Q.Campos, P. S.Ekestubbe, A.Lofthag-Hansen, S. Evaluation of cone-beam computed tomography in the diagnosis of vertical root fractures: the influence of imaging modes and root canal materials. Journal of Endodontics 2014;40: 1530-1536.	Evaluation Studies Research Support, Non-U.S. Gov't	30	3
F. C. S. K.-V. Salineiro, S.Braga, M. M.Cavalcanti, M. G. P. Radiographic diagnosis of root fractures: a systematic review, meta-analyses and sources of heterogeneity. Dento-Maxillo-Facial Radiology 2017; 46: 20170400.	Meta-AnalysisReview	47	
S. U. Talwar, S.Nawal, R. R.Kaushik, A.Srivastava, D.Oberoy, S. S. Role of Cone-beam Computed	Meta-AnalysisReview	15	1

Tomography in Diagnosis of Vertical Root Fractures: A Systematic Review and Meta-analysis. Journal of Endodontics 2016;42:12-24.			
Bernardes RA, deMoraes IG, Húngaro Duarte MA, Azevedo BC, de Azevedo JD, Bramante CM. Use of cone beam volumetric tomography in the diagnosis of root fractures. Oral Surg Oral Med Oral Pathol Oral Radiol Endod 2009; 108: 270-277.	Observational (전향적)	20	1
Cohenca N, Simon JH, Mathur A, Malfaz JM. Clinical indications for digital imaging in dentoalveolar trauma. Part 1: traumatic injuries." Dental Traumatol 2007a; 23: 95-104.	observational	3	4
Hassan B, Metska ME, Ozok AR, van der Stelt P, Wesselink PR. Detection of vertical root fractures in endodontically treated teeth by a cone beam computed tomography scan. J Endod 2009; 35: 719-722.	Experimental	8	4
Hassan B, Metska ME, Ozok AR, van der Stelt P, Wesselink PR.. Comparison of five cone beam computed tomography systems for the detection of vertical root fractures J Endod 2010; 36:126-129.	Experimental	8	4
Iikubo M, Kobayashi K, Mishima A, Shimoda S, Daimaruya T, Igarashi C, Imanaka M, Yuasa M, Sakamoto M, Sasano T. Accuracy of intraoral radiography, multidetector helical CT, and limited cone-beam CT for the detection of horizontal tooth root fracture. Oral Surg Oral Med Oral Pathol Oral Radiol Endod. 2009; 108: e70-74.	Experimental	28	4
Kamburoğlu K, Murat S, Yüksel SP, Cebeci AR, Paksoy CS. Detection of vertical root fracture using cone-beam computerized tomography: an in vitro assessment. Oral Surg Oral Med Oral Pathol Oral Radiol Endod. 2010c;109: e63-69.	Experimental	60	3
Melo SL, Bortoluzzi EA, Abreu M Jr, Corrêa LR, Corrêa M. Diagnostic ability of a cone-beam computed tomography scan to assess longitudinal root fractures in prosthetically treated teeth. J Endod. 2010; 36:1879-1882.	Experimental	180	3
Mora MA, Mol A, Tyndall DA, Rivera EM. In vitro assessment of local computed tomography for the detection of longitudinal tooth fractures. Oral Surg Oral Med Oral Pathol Oral Radiol Endod 2007;103: 825-829.	Experimental	60	3
Varshosaz M, Tavakoli MA, Mostafavi M, Baghban AA. Comparison of conventional radiography with cone beam computed tomography for detection of vertical root fractures: an in vitro study. J Oral Sci	Experimental	100	3

2010; 52: 593-597.			
Wenzel A, Haiter-Neto F, Frydenberg M, Kirkevang LL. Variable-resolution cone-beam computerized tomography with enhancement filtration compared with intraoral photostimulable phosphor radiography in detection of transverse root fractures in an in vitro model. Oral Surg Oral Med Oral Pathol Oral Radiol Endod. 2009;108: 939-945.	Experimental	69	3
Cohenca M, Simon JH, Roges R, Morag Y, Malfax JM. Clinical Indications for digital imaging indento-alveolar trauma. PartI: traumaticinjuries. DentTraumatol 2007;23:95-104.	case study	3	4